

Notice of Allowability

Application No.

10/518,422

Applicant(s)

BIERING ET AL.

Examiner

Art Unit

Gregory R. Del Cotto

1751

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amend. filed 2/3/06.
2. ☒ The allowed claim(s) is/are 30, 32-35, 39 renumbered 1-6.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

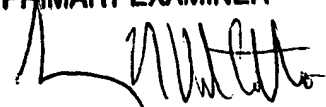
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 4/14/06.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

GREGORY DELCOTTO
PRIMARY EXAMINER



EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Anneliese Siefert on April 14, 2006.

The application has been amended as follows:

The Claims:

In claim 30, line 2, after "additive" insert – in dilute or undiluted form, the additive --.

In claim 30, line 3, after "polydialkyl diallyl ammonium salt" insert -- and derivatives thereof --.

In claim 30, line 3, after "copolymers of dialkyl diallyl ammonium salts" insert – with acylamide and/or acrylic acid and/or vinyl acetate and derivatives thereof --.

In claim 30, line 6, delete "and the derivatives" and insert –

where R^5 and R^6 are alkyl groups containing 16 to 22 carbon atoms or groups with the formula $R^5CO(XC_nH_{2n})_a$ where R^5CO is a linear acyl group containing 16 to 22 carbon atoms, X is oxygen or -NH-, $n = 2$ or 3 , $a = 1$ to 4 , R^7 has the same meaning as R^5 and R^6 or is an alkyl group containing 1 to 4 carbon atoms and R^8 is an alkyl group containing 1 to 4 carbon atoms or a hydroxyalkyl group containing 2

to 4 carbon atoms and $A^{(-)}$ is a halide, methoxysulfate or methoxyphosphate anion, --.

In claim 30, line 7, delete "a" and insert – an aqueous --.

Art Unit: 1751

In claim 30, line 8, before "an" insert – water and --.

In claim 30, line 9, delete "amine derivatives," and insert – and --.

In claim 30, line 12, before "wherein" insert –

where R^1 is an alkyl group containing 6 to 16 carbon atoms, R^2 is an alkyl group containing 1 to 12 carbon atoms or a benzyl group, R^3 and R^4 are alkyl groups containing 1 to 4 carbon atoms or hydroxyalkyl groups containing 2 to 4 carbon atoms and $A^{(-)}$ is a halide, methoxysulfate or methoxyphosphate anion, and

further --.

In claim 30, line 12, before "floor" insert – aqueous --.

In claim 30, line 13, delete "as a result of the" and insert – to the extent it would be without --.

In claim 32, line 9, delete "known commercially as Glucoprotamine®".

In claim 35, line 1, after "is" insert – made of --.

In claim 35, line 1, before "microfiber" insert – a --.

In claim 39, line 2, delete "but prior to applying the floor disinfecting composition" and insert -- , wherein said aqueous floor disinfecting composition is then applied to the cleaning mop --.

Cancel claims 20-29, 31, and 36-38.

The Abstract:

On a separate sheet of paper, please insert the following Abstract:

-- Abstract of the Disclosure

The invention relates to the field of cleaning and disinfection of hard surfaces. The cleaning and disinfection of the surfaces is achieved by means of a cleaning textile and an aqueous preparation, comprising disinfection agents and additives selected from a group comprising a quaternary ammonium compound of formula (II), polydialkyldialkylammonium salts and derivatives thereof and the copolymers of dialkyldialkylammonium salts with acrylamide, and/or acrylic acid, and/or vinyl acetate, and derivatives thereof. The invention further relates to an aqueous concentrate, an aqueous preparation produced therefrom and a method for the reduction of active ingredient losses in disinfection solutions when using said concentrate.

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REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance:

Note that, Applicant's amendments, Applicant's arguments and the Examiner's Amendment are sufficient to place the instant claims in condition for allowance.

Of the references of record, the most pertinent is Sidoti (US 2003/0008795). Sidoti teaches improved spot cleaning compositions particularly useful for the localized cleaning of stains from garments and textiles. However, Sidoti does not teach a method of disinfecting a floor by sequentially applying to a cleaning mop an additive composition followed by a floor disinfecting composition, wherein the floor is then contacted with the disinfecting composition using the cleaning mop as recited by the instant claims.


None of the references of record, alone or in combination, teach or suggest a method of disinfecting a floor using the specific method as recited by the instant claims. Accordingly, since the prior art fails to teach or suggest such a method as recited by the instant claims, the instant claims are deemed allowable.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Gregory R. Del Cotto whose telephone number is (571) 272-1312. The examiner can normally be reached on Mon. thru Fri. from 8:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas McGinty can be reached on (571) 272-1029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Gregory R. Del Cotto
Primary Examiner
Art Unit 1751

GRD
April 16, 2006